

What is claimed is:

1. A TDMA-TDD based transmission/reception apparatus comprising:

5 detector for detecting propagation conditions for a plurality of base stations which receive an dedicated traffic channel signal;

10 selector for selecting the base station with an optimal propagation condition from among the plurality of base stations as the transmission destination of the dedicated traffic channel signal; and

15 transmitter for transmitting the dedicated traffic channel signal only to the base station selected by said selector.

2. The TDMA-TDD based transmission/reception apparatus according to claim 1, wherein the detector detects propagation conditions using the transmission level of common control channel signals by a plurality of base 20 stations and the reception level of common control channel signals transmitted by the plurality of base stations.

3. The TDMA-TDD based transmission/reception apparatus 25 according to claim 1, wherein the detector detects propagation conditions using the transmission level of dedicated traffic channel signals from a plurality of base stations and the reception level of dedicated

traffic channel signals transmitted by the plurality of base stations.

4. The TDMA-TDD based transmission/reception apparatus
5 according to claim 1, wherein the transmitter transmits an dedicated traffic channel signal with a transmit power value set with an open loop using the propagation condition from each base station to the base station selected by the selector.

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5. A communication terminal apparatus equipped with a TDMA-TDD based transmission/reception apparatus, said TDMA-TDD based transmission/reception apparatus comprising:

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detector for detecting propagation conditions for a plurality of base stations which receive an dedicated traffic channel signal;

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selector for selecting the base station with an optimal propagation condition from among the plurality of base stations as the transmission destination of the dedicated traffic channel signal; and

transmitter for transmitting the dedicated traffic channel signal only to the base station selected by said selector.

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6. A base station that carries out a radio communication with a communication terminal apparatus equipped with a TDMA-TDD based transmission/reception apparatus, said

TDMA-TDD based transmission/reception apparatus comprising:

detector for detecting propagation conditions for a plurality of base stations which receive an dedicated
5 traffic channel signal;

selector for selecting the base station with an optimal propagation condition from among the plurality of base stations as the transmission destination of the dedicated traffic channel signal; and

10 transmitter for transmitting the dedicated traffic channel signal only to the base station selected by said selector.

7. A TDMA-TDD based transmission/reception method comprising:

detecting step of detecting propagation conditions for a plurality of base stations which receive an dedicated traffic channel signal;

selecting step of selecting the base station with
20 an optimal propagation condition from among the plurality of base stations as the transmission destination of the dedicated traffic channel signal; and

transmitting step of transmitting the dedicated traffic channel signal only to the base station selected
25 by said selecting step.